



THE BLURB

AREA MEMBER

PHILMONT MOBILE RADIO CLUB INC.



175

THE MAJIC
NUMBER

FOR SEPT. 29

PHILMONT
WILL FIND
A WAY OR CONJUR-UP
ONE, TO REACH
175 ON THE
10-ON-10
ROUND-UP!



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Collator W3QQH

The "Blurb" is published by and for the members of Phil-Mont to further the interest of Amateur Radio in general and Mobile Radio in particular. We endeavor to keep the news accurate, interesting and in a small way educational. Copying and quoting is permitted and subscriptions are gladly exchanged with other radio clubs.

DEADLINES

The "Blurb" is mailed on the last Monday of the month. All material for the "Blurb" must be received by the Editor, K3KUD before the 15th of the month.

1963 CLUB OFFICERS

President Charles Greenwood W3GOW
Vice President Enos Bartol K3GNJ
Treasurer George Weed W3MHR
Secretary Joseph Elmaleh K3HLJ
Directors: W3VVS (E63); W3QQH (E64);
K3DJE (E65); W3CDY (A); W3NIP (A);
and all 1963 Club Officers..

New members chairman: W3DSG

NET AND NET FREQUENCIES

Channel 1 - 29493 kc Channel 3 - 147.78 mc
Channel 2 - 29629 kc Channel 4 - 50.7 mc
Orange Juice Net) Weekdays 0700 - 0730
Scrambled Egg Net) 0730 - 0830
Ten on Ten Sundays 1000 - 1100
Blarney sessions anytime All Channels
29493 kc 0930 - 2400
Monitored daily for the benefit of mobiles in the Philadelphia area.

MEMBERS CALENDARMEETINGS

Regular Meetings: First Monday
of each month.

Time: 7:00 hours (EST. zone)

Place: FRANKLIN INSTITUTE

20 & Benj. Franklin Parkway

MID-MONTH SCHEDULE

Mar. 13, W3EQV - Aug. 14, W3DSW
Apr. 17, W3WNC - Sep. 18, W3HFD
May 15, W3GOW - Oct. 16, W3AWH
June 12, K3KUD - Nov. 13, W3AK
July 17, W3NIP - Dec. 18, W3MHR

Sept. Meeting: Monday
9TH

SANIT CORNER

Charles
Brown

has
gone

Side
Band!

THE PREZ SEZ

With the coming of this month, summer is almost gone, vacations are over, the kids are back in school, so it is a good time to make our plans for the fall season.

Some of us will make that postponed repair to the antenna system, others will make plans for the new rig to be built during the winter months.

Now that the schools are about to reopen, Phil-Mont will make plans to help as much as possible with the Overbrook School for the Blind Electronics Club. Details on how you can help will be forthcoming in a few weeks.

It is not too early to start to talk up our Dinner Dance to be held in early November. Make this one the largest ever.

Let's all work for additional mobile activity on the frequency.

Yours,

W3JOW

The above was air mailed to the Editor from Prince Edward Island, Canada, and that almost amounts to devotion above and beyond the call of duty.

Ed.

IT SEEMS TO ME

With the coming of September, the fall season starts and Phil-Mont prepares for the auction, the dinner dance and the nomination and election of officers for next year. All of these are annual events and we, as a club, look forward to them.

We shouldn't forget that beneath the exterior fun and interest which is connected with these events, there is a lot of work for comparatively few individuals. The only return asked by these individuals for their investment of time and effort is the wholehearted support of the members. We have a lot of ideas, projects and workers to put them into effect, but we need the help and backing of everyone. Let's get behind our committees and show our appreciation of their efforts EVERY SINGLE MINUTE.

de K3KUD

CLUB NEWS AND ACTIVITIES

The August meeting featured a talk on MASERS by Lewis Morris of RCA. While the physics and mathematics of the subject were a bit deep for most of us, Mr. Morris kept his talk interesting and frequently interjected humorous comments which added a great deal. The lecture was illustrated by slides, and Mr. Morris bravely answered all and any questions fired at him by the group. Regarding a suggestion by Mr. Morris that hams might find working with MASERS an interesting and worthwhile pursuit, Lloyd, W3CDY, commented that Phil-Mont will probably do just that--when we can buy them on the surplus market.

Harold Hogan, W3ZN (N0SNB), has been appointed Traffic Manager for Navy MARS, State of Pennsylvania. Harold will be responsible for organizing and operating the state-wide system which will channel traffic into the national MARS traffic nets.

On the August BLURB we erroneously listed W3IVS (an applicant for club membership) as Arthur Harter. Art's name is Hartz, and we apologize for the error.

A new "Ham School" will be held at Upper Darby High School; Springfield Township (Montgomery County) High School; Harriton High School, Rosemont, and the Franklin Institute. Classes will be held at the above locations one night each week, except the class at the Institute which will be a Saturday daytime class. Instructors are local hams, many of whom are Phil-Mont members. Further information is available from Russ, K3NYN.

License Renewal Service:

Temporary lapse of license of several valued Phil-Mont stations has brought to light the need for some kind of license expiration reminder. The BLURB staff has decided to offer such a service. Upon application, you will be sent, 120 days prior to expiration, your postcard, two copies of the current renewal forms and any pertinent data as furnished by Joe Welsh, W3UQV, (Philadelphia FCC Office). This service will include amateur, commercial and citizens' band renewals. The only requirements are Phil-Mont membership and a postcard listing:

Your name	Class of License
Street Address	Call or License No.
City and ZIP Code	Date of Expiration

NOTE:

A separate card is required for each license.

Mail card to: THE BLURB, License Renewal
10 N. York Road
Willow Grove, 19090, Pa.

CLUB NEWS AND ACTIVITIES (Continued)

The Annual Phil-Mont Ten on Ten Round-Up will be held on Sunday, September 29. Last year 148 stations checked in and this year we are hoping for more than that number. Net Control will make the usual roll call between 1000 and 1100, but will be on the air from 0930 to 1000 and from 1100 to 1130 to check in additional stations. Everyone is invited, members and nonmembers, with or without traffic. Nonmember stations will receive special QSL cards commemorating the event.

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Don't forget that October is the month of the BIG auction. Get your goodies ready and save your money for all the fabulous bargains that will be available.

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Wayne Ziegler, WN2GBJ, our new club historian, is looking for copies of "CQ," "73" and "QST" magazines which can be included in the library he hopes to establish for the use of the membership. Anyone who has back-date issues of these magazines and would be willing to donate them to the club is asked to contact Wayne.

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THE BLURB staff is still trying to get the ZIP numbers of the membership! This is important, and since new stencils must be made very soon we would appreciate the cooperation of all the members.

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At the October meeting we will vote for "The Most Valuable Member of the Year." Paul, W3VVS, who is chairman of the Awards Committee, suggests that before voting, each member review THE BLURBS for 1963, to refresh his memory as to which members were active. In the October BLURB we will also publish a list of members deserving consideration for the award. This list will be prepared by the Awards Committee and will not be in any sense a nomination. Paul also feels that certain members, unable to be present at the October meeting, might wish to vote for this award. If this is the case, a letter addressed to Paul Bohlander, W3VVS, stating your preference and signed will permit you to vote. All such letters must be received before the October meeting.

* * * * *

The summer picnic was held on Sunday, August 11, at the Six Penny Area of French Creek Park. It was an excellent day in all respects. Al, W3OWK, and his XYL Dot, W3ZLE, arrived early and staked out the tables. Having completed this worthy task, Al then proceeded to guide the members into the site via his mobile.

Almost all those present took advantage of the swimming facilities, stopping only long enough to enjoy delicious food, cooked at the outdoor fireplaces. Those present were: Al and dot, W3OWK and W3ZLE; Kermit, W3AJ0 and XYL Betty; Tom, W3VCE; Ernie, W3DSG and XYL Rose; Madeleine, K3AUW, who proudly drove her new car with Ed, W3WZC, as copilot; Bob, K3CEE, his mother and father, K3TYB; Jim, W3QQH and family; Bill, K3HIE and family/ Enle, K3GNJ and family (including Barbara, K3GVT); Doc, W3HQJ and XYL Grace; Jeoper, W3JPP; Frank, W3LNQ and Raleigh, W3PWG. Everyone enjoyed a wonderful day.

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At the August mid-month meeting Madeleine, K3AUW; Link, W3IVS; and Jim, W3ZZI were elected to regular membership. Congratulations and welcome to you all.

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SPACE NOTES

The discovery that microwaves can be generated by passing an electric current through a small block of gallium arsenide at room temperature has been reported by IBM.

Crystals of the semiconductor material shorter than 0.02 cm have been made to generate frequencies from 0.5 to 6.5 (kmc) with a peak power of $\frac{1}{2}$ watt at 1 gc.

Only pulsed operation has been obtained so far. CW operation at room temperature should be possible according to the T. J. Watson Research Center.

A VLF whip antenna system for operation from 10 kc to 30 kc is now available from Develco.

The Model 1006A antenna system has a 20-foot vertical mast consisting of 4-5 foot sections. A preamp and filter assembly are integral parts of the system and the unit is provided with a jack for field strength calibration.

General specifications are: 4 db maximum gain 10 kc to 30 kc; sensitivity, 1 microvolt or better; effective height, 1 meter; power requirements, 15 volts at 4 mls.

TID-BITS

73 Magazine for August has a very interesting and informative editorial concerning ARRL and Incentive Licensing. No matter what your opinions of the licensing business are, the information concerning ARRL's past history is revealing, to say the least.

Jim, W3QQH, defines a False Salesman as a Fuller Bust Man.

Harmon-Kardon have announced a new preamplifier, the Citation A. Ultra-wideband response is exemplified by the claim of 1 cps to 1,000,000 cps plus 0, minus $\frac{1}{4}$ db response. This preamp is the first high quality, all solid state preamplifier on the market. Featuring eleven printed-circuit modules, rack mounted, the construction is similar to that used in computers. Hum and noise levels are better than 60 db below 1 volt on phone input and -72 db on tuner input. The kit sells for \$269.95, and if you prefer the unit factory wired, the cost is \$350.00

Ham Buerger has announced the formation of a components department with John Llopes, W3GJF, as manager. This is certainly a step in the right direction, although surprising for a company which constantly loses money on amateur trade—as is the case with Ham Buerger, according to Ed, W3DEN.

The announcement of this addition appeared in a flyer mailed to hams in this area. It was also announced that a line of kits would soon appear under the Ham Buerger name. The editor suspects that this is the same line of kits pioneered by John Llopes while he was at AG Radio, and, if so, they are quite good. The best of luck to W3BAH on his new venture.

Certificate hunters note—The State of Idaho is celebrating its Territorial Centennial this year and a certificate is being awarded to out-of-state hams who send QSL cards for ten Idaho QSO's made in 1963. Cards may be mailed to Frank R. Prina, K7KBY.

CHANNEL CHATTER

Charlie, W3GOW, heading for a much deserved vacation up Canada way.— Dick, K3KDP, home again from his summer explorations, with the marks left by the experience plainly visible. He now wears cowboy boots, hat, shirt and pants, and in addition is sporting a beautiful (western style) red beard.— We can expect fabulous amounts of radio work very soon from K3CEE, Bob, who is the proud owner of a new work bench, thanks to W3QQH.— Bill, W3VCC, and XYL seen 'window' shopping at the Montgomeryville Mart.— Brad, W3QV, keeping a sched with Brad, Jr., W3AUF, who is vacationing at Beach Haven.— Kermit, W3AJ0, upon hearing that the elevator at his place of business was being repaired, ran to the roof to see if W3ZEH was on hand.— Ed, K3AWC, back from vacation.— Russ, K3NYN, thinking that the picnic was to be held on August 18 now realizes his error, and can only regret having missed it.— Al, W3GIF, back on the air mobile.— Jon, K3HWX, in Maryland.— Jack, W3DJW, frequently heard enroute to and from the shore.— Ernie, W3DSG, who owns a mobile for each wheel of his car, is MESSENGER mobile.— W3DYP, Nelson, monitoring the Citizens' Band heard this: ". . . If you use a beam with two elements, Charlie, you get twice the power output from your rig. Three elements, three times the power, etc."— Madeleine, K3AUW, reports that 10 meters has been wide open for the New England gang.— W3VSU, at mid-month meeting and looking great.— Joe, K3HIJ, at Fort Lee, Virginia, for an Army Reserve training period.— Charley, W3ZPP, and family headed for Quebec.— Bob, K3DJE, adding a tower to the antenna farm.— Dave, WA2RDC, preparing to relocate and rebuild the shack.— That's it for this month.

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The dinner for the winning Field Day team will be held on October 18, prior to mid-month meeting. All details will be forthcoming from Ernie, W3DSG.

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CONELRAD IS DEAD! ! ! LONG LIVE E B S! ! !

Conelrad faded into broadcast history at midnight, August 4, an untried child of the nuclear age. In its place comes the Emergency Broadcast System (EBS) on which is pinned the hope for a more efficient means of transmitting official information and directions to the public in the event of a civil defense emergency. This change will mean Conelrad radio stations will no longer switch to 640 or 1240 kcs, but continue to broadcast on normal frequencies at normal power. FM, TV and AM stations which are not part of the EBS would go off the air as at present. EBS stations would identify their locations, but not their call letters.

Further details on the new EBS are available from the Federal Communication Commission, Washington 25, D.C., 20554 in the following publications:

Interim Plan for the Emergency Broadcast System (#63-313)

Amendment of Part 3 of the Commission's Rules (#63-616)

Public Notice B (Corrected) of July 3, 1963, (#37901)

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SWAP AND SHOP

For Sale: Grommes 10 watt push-pull hi-fi amplifier. \$10.00

For Sale: SCR-522. Complete, unconverted. Automatically tuned, four-channel, xtal controlled transmitter and receiver. (8C625 and 8C624) Operating range, 100 mc to 156 mc. \$15.00

For Sale: S-95, Hallicrafter FM receiver for 152-173 mc. \$45.00

Contact Bob, K3CEE

For Sale: Polycom 62-B. 6- and 2-meter transceiver, mobile and fixed. Like new. Cost \$379.00 \$275.00

For Sale: Central Electronics 200-V. AM/SSB/CW transmitter. Excellent condition. \$675.00

For Sale: Hammarlund HQ-140X receiver. General coverage, 500 kc to 31 mc, w/xtal calibrator. Excellent condition. \$150.00

Contact J. Mahoney, W3DJW
Phone: GR6-4680, day
TR7-1008, nite

For Sale: National NC-183 receiver with matching speaker. Mint condition. \$120.00

Contact W3NJS
Phone: KI3-3982

Wanted: Parts list for G-76 transmitter/receiver. Also power supply.

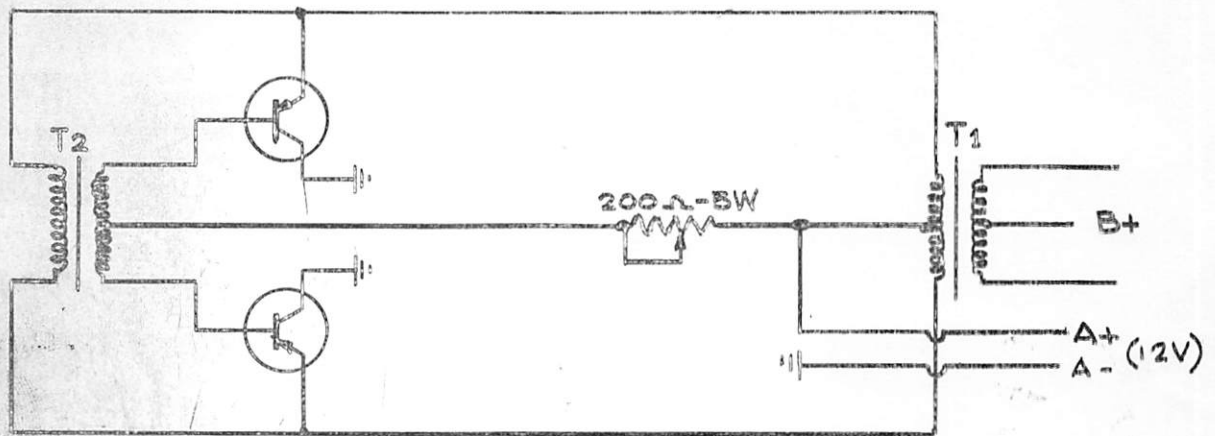
Contact W3DJW

Wanted: Vacuum tubes type 866 or 866A. Contact K3DJE

RACES NEWS

We now have, officially, an approved RACES Communication Plan in Pennsylvania. Instead of having literally hundreds of plans from the various counties and subdivisions, we now have one basic plan, with appendices called Network Operational Authorization Requests. Each Request, whether it comes from the state, area, county or local subdivision shall contain the names of the appropriate Radio Officer, frequencies and numbers and types of stations comprising the network. As all RACES plans in Pennsylvania have automatically expired (see last month's BLURE), "No State, Area, County or

PHILMONT TEK-NI-GRAM SEPTEMBER 1963
CONTRIBUTED BY W3KDO
CONVERTING VIBRATOR SUPPLIES TO TRANSISTORS



NOTES

- 1- T1 ORIGINAL VIBRATOR TRANSFORMER.
- 2- T2 CENTER-TAPPED INTERSTAGE TRANSFORMER WITH A RATIO OF 1 TO 2 UP TO 1 TO 3.5.
- 3- IF T2 HAS ENOUGH RESISTANCE TO LIMIT THE CURRENT TO A SAFE VALUE, THEN THE 200 OHM POT. CAN BE OMITTED.
- 4- IF THE TRANSISTORS ARE CLOSELY MATCHED OR HARD STARTING, CONNECT A 220 K OHM RESISTOR FROM BASE TO GROUND ON ONE OF THEM.
- 5- TRANSISTORS ARE CHOSEN ACCORDING TO LOAD.

The "Blurb"

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THIRD CLASS MAIL
RETURN REQUESTED

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